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**Hazardous Waste Bureau**

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Date: DEC 19 2014

Refer To: ADESH-14-157

LAUR: N/A

Locates Action No.: N/A

John Kieling, Bureau Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6303

**Subject: Request for Extension to Deploy Tracers at Consolidated Unit 16-021(c)-99**

Dear Mr. Kieling:

Los Alamos National Security, LLC (LANS) and the U.S. Department of Energy (DOE) request an extension from the December 31, 2014, date to deploy tracers for the tracer test at Consolidated Unit 16-021(c)-99 to a new date of December 31, 2015. The proposed tracer test, specified in the Work Plan for a Tracer Test at Consolidated Unit 16-021(c)-99 (EP2012-0017), is intended to support an assessment of potential remedial alternatives for contaminated groundwater associated with the Technical Area 16 (TA-16) 260 Outfall by providing a better understanding of the local hydrogeological conditions in the area of contaminated perched-intermediate groundwater.

Recently completed and ongoing field activities at TA-16 are providing valuable information regarding the local hydrogeological conditions in the area of contaminated perched-intermediate groundwater. These field activities include source removal testing at CdV-16-4ip, and installation of new monitoring wells R-47, R-63i, and CdV-9-1(i). Hydraulic data collected during aquifer testing of these new wells and groundwater chemistry data from quarterly groundwater sampling events at the new wells will be used to update the conceptual model for contaminant flow and transport at TA-16. Data from these activities will also be used to modify and refocus the tracer study to address data gaps related to RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine) contamination in perched-intermediate groundwater at TA-16.

The additional time will also allow DOE/LANS to use the data collected during the above-referenced field activities at TA-16 to determine if a tracer study would resolve data gaps that may exist. If this data evaluation determines that a tracer study is necessary to address data gaps and to guide potential remedial strategies, this extension will provide the time to make any necessary revisions to the tracer study work plan and to obtain New Mexico Environment Department approval for the changes.

If you have any questions, please contact Kent Rich at (505) 665-0996 (krich@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (cheryl.rodriguez@nnsa.doe.gov).

Sincerely,



Michael T. Brandt, DrPH, CIH, Associate Director  
Environment, Safety, and Health  
Los Alamos National Laboratory

Sincerely,



Peter Maggiore, Assistant Manager  
Environmental Projects Office  
Los Alamos Field Office

MB/PM/DM/KR:sm

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Annette Russell, DOE-NA-LA (date-stamped letter emailed)  
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John McCann, EP-CAP (date-stamped letter emailed)  
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